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<b>(51) International Patent Classification <sup>7</sup> :</b> <b>C11D 1/22</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/27958</b> <b>(43) International Publication Date:</b> 18 May 2000 (18.05.00)
<b>(21) International Application Number:</b> PCT/US99/25224 <b>(22) International Filing Date:</b> 27 October 1999 (27.10.99) <b>(30) Priority Data:</b> 60/107,477      6 November 1998 (06.11.98)      US <b>(71) Applicant (for all designated States except US):</b> THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> REDDY, Pramod, Kaku-manu [US/US]; 7986 Kingfisher Lane, West Chester, OH 45069 (US). SADLOWSKI, Eugene, Steven [US/US]; 9980 Pebbleknoll Drive, Cincinnati, OH 45252 (US). BOSWELL, Robert, W. [US/US]; 3998 Schroeder Drive, Hamilton, OH 45011 (US). ENGLISH, Jack, Wesley, III [US/US]; 7605 Bonnie Drive, West Chester, OH 45069 (US). <b>(74) Agents:</b> REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		<b>(81) Designated States:</b> AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> HYDROPHILIC INDEX FOR AQUEOUS, LIQUID LAUNDRY DETERGENT COMPOSITIONS CONTAINING LAS  <b>(57) Abstract</b>  A heavy duty liquid laundry detergent composition having a surfactant system. The surfactant system comprises from about 0.1 % to about 20 %, by weight of the surfactant system of an alkyl benzene sulfonate surfactant, and the surfactant system has a Hydrophilic Index, $HI_C$ , of from about 8 to about 9.2. The Hydrophilic Index is calculated as follows: $HI_C = \sum_y$ (weight % of surfactant y in the surfactant system) x ( $HI_{Sy}$ ), $HI_{Sy}$ is calculated for each of the surfactants in the surfactant systems as follows: $HI_{Sy} = 20 \times$ (the molecular weight of the hydrophilic portion of surfactant component y)/(the molecular weight of surfactant component y).		